

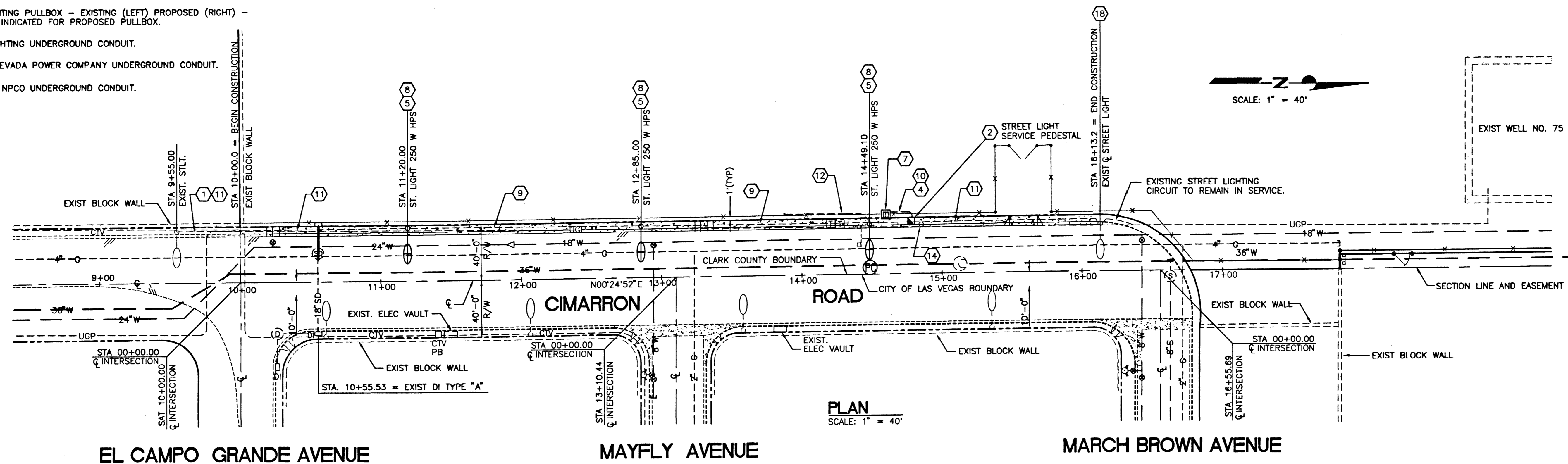
LEGEND

- 250 WATT HIGH PRESSURE SODIUM STREET LIGHT AND POLE, PHOTOCELL SHOWN AT RIGHT
- 150 WATT HIGH PRESSURE SODIUM STREET LIGHT AND POLE, PHOTOCELL SHOWN AT RIGHT
- 100 WATT HIGH PRESSURE SODIUM STREET LIGHT AND POLE, PHOTOCELL SHOWN AT RIGHT
- NEVADA POWER COMPANY PADMOUNTED TRANSFORMER (RIGHT) AND SERVICE PEDAESTAL (LEFT).
- STREETLIGHTING PULLBOX - EXISTING (LEFT) PROPOSED (RIGHT) - WITH SIZE INDICATED FOR PROPOSED PULLBOX.
- STREET LIGHTING UNDERGROUND CONDUIT.
- EXISTING NEVADA POWER COMPANY UNDERGROUND CONDUIT.
- PROPOSED NPCO UNDERGROUND CONDUIT.

STREET LIGHT SERVICE PEDAESTAL (2)

PANEL NO.	LVI	MAINS	100	MAIN BKR	100	SURFACE	<input type="checkbox"/> FLUSH <input type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR
VOLTS	120/240	PHASE	1	WIRE	3	GROUND	<input type="checkbox"/> SOLID CU <input type="checkbox"/> NEUTRAL EULL S/N
MIN KAIC	10	RMS SYM		DOOR:	<input type="checkbox"/> HINGED <input type="checkbox"/> DOOR-IN-DOOR <input type="checkbox"/> LATCH/LOCK <input type="checkbox"/> SVC ENT <input checked="" type="checkbox"/>	BUS: ALUM. <input type="checkbox"/> COPPER <input checked="" type="checkbox"/>	
BREAKERS:		SLIP-ON <input type="checkbox"/> BOLT-ON <input type="checkbox"/>		SITE LOCATION SEE ADDRESS			

DESCRIPTION	WATTS		BKR	POLE	POLE	BKR	WATTS		DESCRIPTION
	L1	L2					L1	L2	
STREET LIGHT CKT 1	540		2	1	2	1	180		PHOTOCELL CONTROL
STREET LIGHT CKT 1		540	60	3	4	20			
			60	5	6				
			60	7	8				
			60	9	10				
			60	11	12				
1,260W/240V = 5.25A	540	540					180		



CIRCUIT CAPACITY:

CIRCUIT CAPACITY = 60 AMPS
 MAXIMUM CONTINUOUS AMP DRAW OF 80% OF CIRCUIT CAPACITY = 48 AMPS

EXISTING CIRCUIT LOAD = 0 AMPS

PROPOSED LUMINAIRE LOAD TO CIRCUIT:

()	NUMBER OF 100 WATTS	• 1.0 AMPS =	_____ AMPS
(3)	NUMBER OF 250 WATTS	• 1.5 AMPS =	4.5 AMPS
()	NUMBER OF 400 WATTS	• 3.9 AMPS =	_____ AMPS
	TOTAL PROPOSED LOAD =		4.5 AMPS

REMAINING AVAILABLE LOAD = 43.5 AMPS

LIGHTING NOTES

- 1 EXTEND CONDUIT FROM NEAREST EXISTING POLE TO NEW POLE AS SHOWN.
- 2 INSTALL 125 AMP MOUNTED SERVICE PEDAESTAL WITH 60 AMP BREAKER FOR STREET LIGHTING CONTRACTOR AND ONE 15 AMP BREAKER PER CCUSD DWG'S No. 330, 331, & 332.
- 3 STREET LIGHTING LUMINAIRE, 150 WATT HIGH PRESSURE SODIUM, MAGNETIC REGULATOR BALLAST, IES TYPE III CUTOFF DISTRIBUTION AS MANUFACTURED BY GENERAL ELECTRIC SERIES M250 R2. UNLESS OTHERWISE NOTED, FURNISH WITH 30" x 11 GA. STEEL STREET LIGHTING POLE WITH 8' x 2" NON-TAPERED ARM, CONFORMING TO CLARK COUNTY UNIFORM STANDARD DRAWING No. 314.
- 4 SEE CLARK COUNTY UNIFORM STANDARD DRAWING NO. 335 FOR SERVICE ENTRANCE CONDUIT AND CONDUCTOR REQUIREMENTS.
- 5 STREET LIGHTING LUMINAIRE, 250 WATT HIGH PRESSURE SODIUM, MAGNETIC REGULATOR BALLAST, IES TYPE III DISTRIBUTION, AS MANUFACTURED BY GENERAL ELECTRIC, SERIES M400 R2. UNLESS OTHERWISE NOTED, FURNISH WITH 30" x 11 GA. STEEL STREET LIGHTING POLE WITH 8' x 2" NON-TAPERED ARM, CONFORMING TO CLARK COUNTY UNIFORM STANDARD DRAWING No. 314.
- 6 NOT USED
- 7 INSTALL FOUNDATION FOR NEVADA POWER Co. PAD MOUNTED TRANSFORMER PER N.P.Co. UNDERGROUND STANDARD UT-105.
- 8 INSTALL FOUNDATION IN ACCORDANCE WITH CLARK COUNTY UNIFORM STANDARD DRAWING, No. 321. MEDIAN AND OPEN AREA LOCATIONS ONLY.
- 9 1 1/4" C, 2#4, 1#8 GND, THW.
- 10 2" CONDUIT, 2#3 THW, AND 1#2 WHITE THW SERVICE ENTRANCE FROM N.P.Co. TRANSFORMER TO STREET LIGHT METERED SERVICE PEDAESTAL
- 11 1 1/4" CONDUIT ONLY.
- 12 4" C, N.P.Co. PRIMARY SERVICE TO NEW PAD MOUNTED SERVICE TRANSFORMER. SEE N.P.Co. DRAWING/PROJECT ID# 170094.
- 13 INSTALL ALL CONDUIT FOR PRIMARY AND SECONDARY N.P.Co. FACILITIES IN ACCORDANCE WITH N.P.Co. STANDARDS AND DRAWING/PROJECT ID# 170094.
- 14 1 1/4" C, 2#4, 1#8 GND, 3#10 PHOTOCELL, THW.
- 15 NOT USED
- 16 NOT USED
- 17 NOT USED
- 18 EXISTING STREET LIGHT, ADJUST POLE BASE TO FINISH GRADE
- 19 STREET LIGHT POLES SHALL CONFORM TO UNIFORM STANDARD DRAWINGS, "STREETLIGHT STANDARD - GENERAL NOTES" DWG. NO'S 316 AND NO. 314. THE FINISHED HEIGHT OF THE LUMINAIRE FROM THE POLE BASE SHALL BE 31'-9".

LAS VEGAS VALLEY WATER DISTRICT
 1001 S. VALLEY VIEW BOULEVARD
 LAS VEGAS, NEVADA 89185
 (702) 670-2000

VERIFY SCALE
 1/2" 0 1/2"
 BAR REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL

MISCELLANEOUS SITE IMPROVEMENTS
 FY 2001/2002, PHASE I
 WELL NO. 74 AND WELL NO. 75
 CIMARRON ROAD OFFSITE IMPROVEMENTS
 STREET LIGHT AND TRAFFIC PLAN

DRAWN BY: P.A.J./RCW
 CHECKED BY: K. KORPI
 RECOMMENDED BY: JOSEPH S. SCORRELLI
 DATE: 4/12/02
 DATE: 4/21/02

PROFESSIONAL ENGINEER STATE OF NEVADA
 JOSEPH S. SCORRELLI
 No. 18881

CONTRACT NUMBER
C1053
 DRAWING NUMBER E4
 SHEET 21 OF 23